

Title (en)

Time modulated electrospray.

Title (de)

Zeitliche Modulation eines Elektrosprays.

Title (fr)

Electrospray modulé en temps.

Publication

EP 0565027 A1 19931013

Application

EP 93105606 A 19930405

Priority

US 86660592 A 19920410

Abstract (en)

A system for forming a time modulated electrospray from a sample solution is provided. Further systems for analyzing this time modulated electrospray are provided. In a preferred such further system, a grid connected to a time modulated voltage source is provided between an electrospray apparatus and an analytical apparatus. More generally, a system for changing the energy of charged particles in a gas comprising the application of time modulated electric fields is provided. <IMAGE>

IPC 1-7

G01N 30/72; **H01J 49/04**

IPC 8 full level

B05B 5/025 (2006.01); **G01N 27/62** (2006.01); **G01N 30/72** (2006.01); **G01N 30/84** (2006.01); **H01J 49/04** (2006.01); **H01J 49/10** (2006.01)

CPC (source: EP US)

G01N 30/7266 (2013.01 - EP US); **H01J 49/04** (2013.01 - EP US); **H01J 49/165** (2013.01 - EP US)

Citation (search report)

- [A] DE 3913763 A1 19891109 - HITACHI LTD [JP]
- [X] ANALYTICAL CHEMISTRY vol. 63, no. 24, 15 December 1991, COLUMBUS US pages 2897 - 2900 CHUNG HANG SIN ET AL 'ATMOSPHERIC PRESSURE IONISATION TIME-OF-FLIGHT MASS SPECTROMETRY WITH A SUPERSONIC ION BEAM'
- [X] ANALYTICAL CHEMISTRY vol. 63, no. 4, 15 February 1991, COLUMBUS US pages 375 - 383 SCOTT A. MCLUCKEY 'ION SPRAY LIQUID CHROMATOGRAPHY / ION TRAP MASS SPECTROMETRY DETERMINATION OF BIOMOLECULES'

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0565027 A1 19931013; **EP 0565027 B1 19970305**; DE 69308349 D1 19970410; DE 69308349 T2 19970731; JP 2002303606 A 20021018; JP 3299335 B2 20020708; JP 3447727 B2 20030916; JP H0650940 A 19940225; US 5306910 A 19940426; US 5436446 A 19950725

DOCDB simple family (application)

EP 93105606 A 19930405; DE 69308349 T 19930405; JP 10367493 A 19930407; JP 2002021601 A 20020130; US 19940694 A 19940222; US 86660592 A 19920410